AG .	AG AG AG AG	AGAG	/
A (^	No: 126AK JAWAHARLA: NEHRU TECHNOLOGICAL UNIVERS B. Toch III Year II Semester Examinations, May MICROPROCESSORS AND INTERFACING D (Electrical and Electronics Engineering) :: 3-hours	y - 2017	4
Note:	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions of 5 Units. Answer any one full question from each us 10 marks and may have a, b, c as sub questions.	mit. Each question carries	_
1.a) b) c) d) e) f) g) h) i)	What are the different resisters of 8086? What are memory addresses? What are instruction formats? Define addressing mode. What are static memories? Define vector interrupt table. Give bit format used for sensing asynchronous serial data. Mention 8251A USART pin descriptions. What is the importance of jump instructions in assembly language.	[2] [3] [2] [3] [2] [3] [2] [2] [3]	<u> </u>
4G ^{j)}	What is the significance of program status word(PSW) registe PART – B		_
2.a) b) 3.a) b)	Explain 8086 architecture with neat diagram. How do you generate delays in software? What are the limitation generating delays? How will you synchronize one such delay OR Draw and discuss a typical minimum mode 8086 system. Explain Interrupt structure of 8086.		A
4.a) b) 5.	Write an ALP to convert a four digit hexadecimal number to decimal write an ALP to find out transpose of 3 × 3 matrix. Use the 8086 string instructions to write a program which characters looking for carriage return (0DH). If a carriage return of the string upto the carriage return in AL. If no carriage return decimal) in AL.	ch scans a string of 80 rn is found, put the length	_
4G	AG AG AG AG	AG AG	A

AG	AG	AG	AG	AG	A(j	AG	ě
6.a) b)	•	ernal architecture board interfacing	g with 8086.			<u>{</u> 4+6}	
7.a)		pper motor interface functional diagram		generating clocky		(wise [6+4]	
8.a) b)	Explain seri Explain the	[5+5]					
9.a) b)	Draw a diag	ial data transfer gram showing the darity bits. Nu	e list format use	d for asynchronous to show the ord	ous serial data. L er of transmission	abel the n. [7+3]	/
10.a) b)	[4+6]						
11.a) b)	Explain difference Explain the e	erent addressing i	OR modes of 8051. I and PCON of 80	051.	AG	[6+4]	/
			00O00				
AG	AG	AG	AG	AG	AG	AG	1
AG	AG	AG	AĞ	AG	AG	AG	<u> </u>
AG .	AG	AG	AG	AG	AG	AG	1
AG ,	AG	AG	AG	AG	AG	AG	Ź